



RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09048151
Source: STIC
Date Processed by STIC: 03/02

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FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER VERSION 3.1 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

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Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/efb/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
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Or
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Revised 01/29/2002



Does Not Comply
Corrected Diskette Needed

OIPE

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/981,151

DATE: 06/28/2002

TIME: 10:27:32

Input Set : A:\Cura-468.app

Output Set: N:\CRF3\06282002\I981151.raw

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3 110> APPLICANT: Edinger, Shlomit R
4      Gerlach, Valerie
5      MacDougall, John R
6      Malyankar, Muriel M
7      Smithson, Glenda
8      Millet, Isabelle
9      Peyman, John A
10     Stone, David J
11     Gunther, Erik
12     Ellerman, Karen
13     Shimkets, Richard A
14     Padigaru, Muralidhara
15     Guo, Xiaojia
16     Patturajan, Meera
17     Taupier Jr, Raymond J
18     Burgess, Catherine E
19     Zerhusen, Bryan D
20     Kekuda, Ramesh
21     Spytek, Kimberly A
22     Gangolli, Esha A
23     Fernandes, Elma R
24     Gorman, Linda
26 120> TITLE OF INVENTION: Proteins and Nucleic Acids Encoding Same
28 130> FILE REFERENCE: 21402-168
30 140> CURRENT APPLICATION NUMBER: 09/981,151
31 141> CURRENT FILING DATE 2001-10-16
33 150> PRIOR APPLICATION NUMBER: 60/241,040
34 151> PRIOR FILING DATE: 2000-10-17
36 150> PRIOR APPLICATION NUMBER: 60/241,058
37 151> PRIOR FILING DATE 2000-10-17
39 150> PRIOR APPLICATION NUMBER: 60/241,063
40 151> PRIOR FILING DATE 2000-10-17
42 150> PRIOR APPLICATION NUMBER: 60/241,243
43 151> PRIOR FILING DATE 2000-10-17
45 150> PRIOR APPLICATION NUMBER: 60/242,152
46 151> PRIOR FILING DATE: 2000-10-20
48 150> PRIOR APPLICATION NUMBER: 60/242,482
49 151> PRIOR FILING DATE 2000-10-23
51 150> PRIOR APPLICATION NUMBER: 60/242,611
52 151> PRIOR FILING DATE: 2000-10-23
54 150> PRIOR APPLICATION NUMBER: 60/242,612
55 151> PRIOR FILING DATE: 2000-10-23
57 150> PRIOR APPLICATION NUMBER: 60/242,880

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 69 <150> PRIOR APPLICATION NUMBER: 60/286,324
 70 <151> PRIOR FILING DATE: 2001-04-25
 72 <150> PRIOR APPLICATION NUMBER: 60/294,108
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 75 <150> PRIOR APPLICATION NUMBER: 60/303,968
 76 <151> PRIOR FILING DATE: 2001-07-09
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 117 tgtgacactt tgggatttgc acccataagt ggaatgtgta gtaaatatcg cagctgcacg 1500

→ n also detected at positions
 2383 + 2983 but explanation
 was omitted

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Input Set : A:\Cura-468.app

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118 attaatgaag atacaggtct tggactggcc ttaccattg cccatgagtc tggacacaac 1560
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121 ctacacaaat ttctaagcac cgtcaagct atctgccttg ctgacagcc aaagcctgtg 1740
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145 <210> SEQ ID NO: 2

146 <211> LENGTH: 986

147 <212> TYPE: PRT

148 <213> ORGANISM Homo sapiens

150 <220> FEATURE:

151 <221> NAME/KEY VARIANT

152 <222> LOCATION: (283)

153 <223> OTHER INFORMATION: Wherein Xaa is any amino acid.

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157 1 5 10 15

159 Leu Leu Ala Gln Val Ala Glu Gln Val Ser Pro Gly Arg Ser His Gln

160 20 25 30

162 Arg Gly Asn Arg Gly Ser Gly Gln Leu Glu Ala Ser Pro Pro Arg Leu

163 35 40 45

165 Leu Ser Arg Gly Pro Arg Arg Leu Thr Ala Met Ser Pro Leu Phe Ser

166 50 55 60

168 Ala Gly Thr Cys Val Arg His Gly Thr Arg Ser Gly Ser Ala Trp Glu

169 65 70 75 80

171 Pro Glu Arg Pro Ala Ser Ser Ser Thr Arg Gly Ala Ala Gly Leu Asp

172 85 90 95

174 Gly Lys Gly Arg Asp Met Asp Glu Ala Gly Asn His Arg Ser Gln Gln

175 100 105 110

177 Thr Asn Thr Gly Thr Glu Asn Gln Thr Leu His Val Leu Thr Gln Tyr

*Xaa was also detected
 at position 797, but
 explanation was omitted*

RAW SEQUENCE LISTING

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Input Set A:\Cura-468.app

Output Set N:\CRF3\06282002\I981151.raw

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180 Asp Leu Val Ser Ala Tyr Glu Val Asp His Arg Gly Asp Tyr Val Ser
181          130          135          140
183 His Glu Ile Met His His Gln Arg Arg Arg Arg Ala Val Ala Val Ser
184 145          150          155          160
186 Glu Val Glu Ser Leu His Leu Arg Leu Lys Gly Pro Arg His Asp Phe
187          165          170          175
189 His Met Asp Leu Arg Thr Ser Ser Ser Leu Val Ala Pro Gly Phe Ile
190          180          185          190
192 Val Gln Thr Leu Gly Lys Thr Gly Thr Lys Ser Val Gln Thr Leu Pro
193          195          200          205
195 Pro Glu Asp Phe Cys Phe Tyr Gln Gly Ser Leu Arg Ser His Arg Asn
196          210          215          220
198 Ser Pro Ser His Gly Gly Lys Phe Cys Glu Gly Ser Thr Arg Thr Leu
199 225          230          235          240
201 Lys Leu Cys Asn Ser Gln Lys Cys Pro Arg Asp Ser Val Asp Phe Arg
202          245          250          255
204 Ala Ala Gln Cys Ala Glu His Asn Ser Arg Arg Phe Arg Gly Arg His
205          260          265          270
W--> 207 Tyr Lys Trp Lys Pro Tyr Thr Gln Val Glu Xaa Asp Leu Cys Lys Leu
208          275          280          285
210 Tyr Cys Ile Ala Glu Gly Phe Asp Phe Phe Phe Ser Leu Ser Asn Lys
211          290          295          300
213 Val Lys Asp Gly Thr Pro Cys Ser Glu Asp Ser Arg Asn Val Cys Ile
214 305          310          315          320
216 Asp Gly Ile Cys Glu Leu Ser Val Val Ser Thr Ser Ala His Met Pro
217          325          330          335
219 Gln Pro Pro Lys Glu Asp Leu Phe Ile Leu Pro Asp Glu Tyr Lys Ser
220          340          345          350
222 Cys Leu Arg His Lys Arg Ser Leu Leu Arg Ser His Arg Asn Glu Glu
223          355          360          365
225 Leu Asn Val Glu Thr Leu Val Val Val Asp Lys Lys Met Met Gln Asn
226          370          375          380
228 His Gly His Glu Asn Ile Thr Thr Tyr Val Leu Thr Ile Leu Asn Met
229 385          390          395          400
231 Val Ser Ala Leu Phe Lys Asp Gly Thr Ile Gly Gly Asn Ile Asn Ile
232          405          410          415
234 Ala Ile Val Gly Leu Ile Leu Leu Glu Asp Glu Gln Pro Gly Leu Val
235          420          425          430
237 Ile Ser His His Ala Asp His Thr Leu Ser Ser Phe Cys Gln Trp Gln
238          435          440          445
240 Ser Gly Leu Met Gly Lys Asp Gly Thr Arg His Asp His Ala Ile Leu
241          450          455          460
243 Leu Thr Gly Leu Asp Ile Cys Ser Trp Lys Asn Glu Pro Cys Asp Thr
244 465          470          475          480
246 Leu Gly Phe Ala Pro Ile Ser Gly Met Cys Ser Lys Tyr Arg Ser Cys
247          485          490          495
249 Thr Ile Asn Glu Asp Thr Gly Leu Gly Leu Ala Phe Thr Ile Ala His
250          500          505          510

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PATENT APPLICATION: US/09/981,151

DATE 06/28/2002

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Input Set : A:\Cura-468.app

Output Set: N:\CRF3\06282002\I981151.raw

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252 Glu Ser Gly His Asn Phe Gly Met Ile His Asp Gly Glu Gly Asn Met
253      515      520      525
255 Cys Lys Lys Ser Glu Gly Asn Ile Met Ser Pro Thr Leu Ala Gly Arg
256      530      535      540
258 Asn Gly Val Phe Ser Trp Ser Pro Cys Ser Arg Gln Tyr Leu His Lys
259 545      550      555      560
261 Phe Leu Ser Thr Ala Gln Ala Ile Cys Leu Ala Asp Gln Pro Lys Pro
262      565      570      575
264 Val Lys Glu Tyr Lys Tyr Pro Glu Lys Leu Pro Gly Glu Leu Tyr Asp
265      580      585      590
267 Ala Asn Thr Gln Cys Lys Trp Gln Phe Gly Glu Lys Ala Lys Leu Cys
268      595      600      605
270 Met Leu Asp Phe Lys Lys Asp Ile Cys Lys Ala Leu Trp Cys His Arg
271      610      615      620
273 Ile Gly Arg Lys Cys Glu Thr Lys Phe Met Pro Ala Ala Glu Gly Thr
274 625      630      635      640
276 Ile Cys Gly His Asp Met Trp Cys Arg Gly Gly Gln Cys Val Lys Tyr
277      645      650      655
279 Gly Asp Glu Gly Pro Lys Pro Thr His Gly His Trp Ser Asp Trp Ser
280      660      665      670
282 Ser Trp Ser Pro Cys Ser Arg Thr Cys Gly Gly Gly Val Ser His Arg
283      675      680      685
285 Ser Arg Leu Cys Thr Asn Pro Asn Pro Ser His Gly Gly Lys Phe Cys
286      690      695      700
288 Glu Gly Ser Thr Arg Thr Leu Lys Leu Cys Asn Ser Gln Lys Cys Pro
289 705      710      715      720
291 Arg Asp Ser Val Asp Phe Arg Ala Ala Gln Cys Ala Glu His Asn Ser
292      725      730      735
294 Arg Arg Phe Arg Gly Arg His Tyr Lys Trp Lys Pro Gln Asp Leu Cys
295      740      745      750
297 Lys Leu Tyr Cys Ile Ala Glu Gly Phe Asp Phe Phe Ser Leu Ser
298      755      760      765
300 Asn Lys Val Lys Asp Gly Thr Pro Cys Ser Glu Asp Ser Arg Asn Val
301      770      775      780
W--> 303 Cys Ile Asp Gly Ile Cys Glu Xaa Gly Cys Asp Asn Val Leu Gly Ser
304 785      790      795      800
306 Asp Ala Val Glu Asp Val Cys Gly Val Cys Asn Gly Asn Asn Ser Ala
307      805      810      815
309 Cys Thr Ile His Arg Gly Leu Tyr Thr Lys His His His Thr Asn His
310      820      825      830
312 Tyr His Met Val Thr Ile Pro Ser Gly Ala Arg Ser Ile Arg Ile Tyr
313      835      840      845
315 Glu Met Asn Val Ser Thr Ser Tyr Ile Ser Val Arg Asn Ala Leu Arg
316      850      855      860
318 Arg Tyr Tyr Leu Asn Gly His Trp Thr Val Asp Trp Pro Gly Arg Tyr
319 865      870      875      880
321 Lys Phe Ser Gly Thr Thr Phe Asp Tyr Arg Arg Ser Tyr Asn Glu Pro
322      885      890      895
324 Glu Asn Leu Ile Ala Thr Gly Pro Thr Asn Glu Thr Leu Ile Val Glu

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RAW SEQUENCE LISTING ERROR SUMMARY
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq# 1; N Pos. 857,858,2383,2983
Seq#:2; Xaa Pos. 283,792
Seq#.23; N Pos. 2196,2230,2261,2270,2295,2301
Seq# 34; Xaa Pos. 450
Seq# 65; Xaa Pos. 41

VERIFICATION SUMMARY

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Input Set : A:\Cura-468.app

Output Set: N:\CRF3\06282002\I981151.raw

L:107 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:840
L:132 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:2340
L:142 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:2940
L:207 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:272
L:303 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:784
L:1962 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23 after pos.:2160
L:1963 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23 after pos.:2220
L:1964 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23 after pos.:2280
L:3362 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34 after pos.:448
L:6512 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:65 after pos.:32